Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/28/2022 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125202	0	1.20	125120	1.19
Blue	F	SSC	125000	123675	-2	2.38	124187	2.23
Blue	E	FITC	13602	13215	-3	2.30	369	13.27
Blue	D	PE	24891	24557	-2	1.69	584	10.20
Blue	B	PerCP-Cy5-5	33972	33082	-3	2.91	946	14.85
Blue	A	PE-Cy7	22865	22736	-1	4.90	474	30.10
Red	C	APC	47198	46155	-3	2.63	1590	11.29
Red	A	APC-Cy7	26454	25598	-4	3.10	724	12.52
Violet	B	V450	6737	6353	-6	3.53	444	10.87
Violet	A	V500	29317	28158	-4	3.18	962	8.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24425	2.20	535	0	N/A	N/A	Pass
Blue	F	SSC	55626	1.96	517	-4	N/A	N/A	Pass
Blue	E	FITC	56	53.22	486	2	0.0452	98	Pass
Blue	D	PE	113	37.53	489	3	0.4205	283	Pass
Blue	B	PerCP-Cy5-5	149	41.34	581	2	0.0199	74	Pass
Blue	A	PE-Cy7	79	80.87	625	4	0.0233	9	Pass
Red	C	APC	335	25.43	572	0	0.0294	196	Pass
Red	A	APC-Cy7	135	34.73	550	-1	0.0060	1140	Pass
Violet	B	V450	76	46.60	444	-6	0.0760	3187	Pass
Violet	A	V500	113	28.51	464	-5	0.0274	557	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.43	-31.34	1.09
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	15.02	13.90 - 20.86	N/A	N/A	29.72	29.95	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 13387

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments